Abstract of the Invention

A power handling device having a chassis supporting at least two rolling elements, a handle shaft mounting to the chassis, a motor for driving at least one of said rolling elements, and a power supply for energizing the motor. The power handling device is characterized by a Non-Interference Envelope (NIE) defined by straight lines intersecting outermost points of tangency on at least two of the rolling elements. To enable reconfiguration and reorientation of the power handling device, the motor and other propulsion related components lie within the NIE.

In another embodiment of the invention, at least three rolling elements are arranged to define a substantially triangular profile and a means is provided for reconfiguring said chassis to enable support by at least two pairs of rolling elements. This embodiment greatly expands the functionality and variety of applications. In yet another embodiment of the invention, the power handling device includes a pivotable fitting to enable use in two operational modes, one to roll an object and another to push/pull an object.